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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2009; month=8; day=28; hr=14; min=19; sec=6; ms=843; ]

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Application No: 09586704

Version No: 7.0

Input Set:

Output Set:

Started: 2009-08-13 18:17:34.096

Finished: 2009-08-13 18:17:38.137

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 41 ms

Total Warnings: 6

Total Errors: 22

No. of SeqIDs Defined: 13

Actual SeqID Count: 13

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (3)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
E 257	Invalid sequence data feature in <221> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
E 257	Invalid sequence data feature in <221> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
E 257	Invalid sequence data feature in <221> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
E 257	Invalid sequence data feature in <221> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)

**Input Set:**

**Output Set:**

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Error code	Error Description
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
E 257	Invalid sequence data feature in <221> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)
E 257	Invalid sequence data feature in <221> in SEQ ID (12)

# SEQUENCE LISTING

<110> STEINMAN, RALPH A.  
 NUSSENZWEIG, MICHEL C.  
 SWIGGARD, WILLIAM J.  
 JIANG, WANPING

<120> IDENTIFICATION OF DEC, A RECEPTOR WITH  
 C-TYPE LECTIN DOMAINS, NUCLEIC ACIDS  
 ENCODING DEC, AND USES THEREOF

<130> RUJ-001CNRCE2

<140> 09586704

<141> 2000-06-05

<150> 08/381,528

<151> 1995-01-31

<160> 13

<170> PatentIn version 3.5

<210> 1

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<223> C terminal DEC-205

<400> 1

Arg	His	Arg	Leu	His	Leu	Ala	Gly	Phe	Ser	Ser	Val	Arg	Tyr	Ala	Gln
1				5					10					15	

Gly	Val	Asn	Glu	Asp	Glu	Ile	Met	Leu	Pro	Ser	Phe	His	Asp
			20					25					30

<210> 2

<211> 25

<212> PRT

<213> Mus musculus

<220>

<223> N terminal DEC-205

<400> 2

Ser	Glu	Ser	Ser	Gly	Asn	Asp	Pro	Phe	Thr	Ile	Val	His	Glu	Asn	Thr
1				5					10					15	

Gly	Lys	Cys	Ile	Gln	Pro	Leu	Phe	Asp
			20					25

<210> 3

<211> 1723

<212> PRT

<213> Mus musculus

<220>

<223> Predicted DEC-205

<400> 3

Met Arg Thr Gly Arg Val Thr Pro Gly Leu Ala Ala Gly Leu Leu Leu  
1 5 10 15

Leu Leu Leu Arg Ser Phe Gly Leu Val Glu Pro Ser Glu Ser Ser Gly  
20 25 30

Asn Asp Pro Phe Thr Ile Val His Glu Asn Thr Gly Lys Cys Ile Gln  
35 40 45

Pro Leu Ser Asp Trp Val Val Ala Gln Asp Cys Ser Gly Thr Asn Asn  
50 55 60

Met Leu Trp Lys Trp Val Ser Gln His Arg Leu Phe His Leu Glu Ser  
65 70 75 80

Gln Lys Cys Leu Gly Leu Asp Ile Thr Lys Ala Thr Asp Asn Leu Arg  
85 90 95

Met Phe Ser Cys Asp Ser Thr Val Met Leu Trp Trp Lys Cys Glu His  
100 105 110

His Ser Leu Tyr Thr Ala Ala Gln Tyr Arg Leu Ala Leu Lys Asp Gly  
115 120 125

Tyr Ala Val Ala Asn Thr Asn Thr Ser Asp Val Trp Lys Lys Gly Gly  
130 135 140

Ser Glu Glu Asn Leu Cys Ala Gln Pro Tyr His Glu Ile Tyr Thr Arg  
145 150 155 160

Asp Gly Asn Ser Tyr Gly Arg Pro Cys Glu Phe Pro Phe Leu Ile Gly  
165 170 175

Glu Thr Trp Tyr His Asp Cys Ile His Asp Glu Asp His Ser Gly Pro  
180 185 190

Trp	Cys	Ala	Thr	Thr	Leu	Ser	Tyr	Glu	Tyr	Asp	Gln	Lys	Trp	Gly	Ile	195	200	205	
Cys	Leu	Leu	Pro	Glu	Ser	Gly	Cys	Glu	Gly	Asn	Trp	Glu	Lys	Asn	Glu	210	215	220	
Gln	Ile	Gly	Ser	Cys	Tyr	Gln	Phe	Asn	Asn	Gln	Glu	Ile	Leu	Ser	Trp	225	230	235	240
Lys	Glu	Ala	Tyr	Val	Ser	Cys	Gln	Asn	Gln	Gly	Ala	Asp	Leu	Leu	Ser	245	250	255	
Ile	His	Ser	Ala	Ala	Glu	Leu	Ala	Tyr	Ile	Thr	Gly	Lys	Glu	Asp	Ile	260	265	270	
Ala	Arg	Leu	Val	Trp	Leu	Gly	Leu	Asn	Gln	Leu	Tyr	Ser	Ala	Arg	Gly	275	280	285	
Trp	Glu	Trp	Ser	Asp	Phe	Arg	Pro	Leu	Lys	Phe	Leu	Asn	Trp	Asp	Pro	290	295	300	
Gly	Thr	Pro	Val	Ala	Pro	Val	Ile	Gly	Gly	Ser	Ser	Cys	Ala	Arg	Met	305	310	315	320
Asp	Thr	Glu	Ser	Gly	Leu	Trp	Gln	Ser	Val	Ser	Cys	Glu	Ser	Gln	Gln	325	330	335	
Pro	Tyr	Val	Cys	Lys	Lys	Pro	Leu	Asn	Asn	Thr	Leu	Glu	Leu	Pro	Asp	340	345	350	
Val	Trp	Thr	Tyr	Thr	Asp	Thr	His	Cys	His	Val	Gly	Trp	Leu	Pro	Asn	355	360	365	
Asn	Gly	Phe	Cys	Tyr	Leu	Leu	Ala	Asn	Glu	Ser	Ser	Ser	Trp	Asp	Ala	370	375	380	
Ala	His	Leu	Lys	Cys	Lys	Ala	Phe	Gly	Ala	Asp	Leu	Ile	Ser	Met	His	385	390	395	400
Ser	Leu	Ala	Asp	Val	Glu	Val	Val	Val	Thr	Lys	Leu	His	Asn	Gly	Asp	405	410	415	

Val Lys Lys Glu Ile Trp Thr Gly Leu Lys Asn Thr Asn Ser Pro Ala  
420 425 430

Leu Phe Gln Trp Ser Asp Gly Thr Glu Val Thr Leu Thr Tyr Trp Asn  
435 440 445

Glu Asn Glu Pro Ser Val Pro Phe Asn Lys Thr Pro Asn Cys Val Ser  
450 455 460

Tyr Leu Gly Lys Leu Gly Gln Trp Lys Val Gln Ser Cys Glu Lys Lys  
465 470 475 480

Leu Arg Tyr Val Cys Lys Lys Lys Gly Glu Ile Thr Lys Asp Ala Glu  
485 490 495

Ser Asp Lys Leu Cys Pro Pro Asp Glu Gly Trp Lys Arg His Gly Glu  
500 505 510

Thr Cys Tyr Lys Ile Tyr Glu Lys Glu Ala Pro Phe Gly Thr Asn Cys  
515 520 525

Asn Leu Thr Ile Thr Ser Arg Phe Glu Gln Glu Phe Leu Asn Tyr Met  
530 535 540

Met Lys Asn Tyr Asp Lys Ser Leu Arg Lys Tyr Phe Trp Thr Gly Leu  
545 550 555 560

Arg Asp Pro Asp Ser Arg Gly Glu Tyr Ser Trp Ala Val Ala Gln Gly  
565 570 575

Val Lys Gln Ala Val Thr Phe Ser Asn Trp Asn Phe Leu Glu Pro Ala  
580 585 590

Ser Pro Gly Gly Cys Val Ala Met Ser Thr Gly Lys Thr Leu Gly Lys  
595 600 605

Trp Glu Val Lys Asn Cys Arg Ser Phe Arg Ala Leu Ser Ile Cys Lys  
610 615 620

Lys Val Ser Glu Pro Gln Glu Pro Glu Glu Ala Ala Pro Lys Pro Asp  
625 630 635 640

Asp Pro Cys Pro Glu Gly Trp His Thr Phe Pro Ser Ser Leu Ser Cys

645	650	655
Tyr Lys Val Phe His Ile Glu Arg Ile Val Arg Lys Arg Asn Trp Glu		
660	665	670
Glu Ala Glu Arg Phe Cys Gln Ala Leu Gly Ala His Leu Pro Ser Phe		
675	680	685
Ser Arg Arg Glu Glu Ile Lys Asp Phe Val His Leu Leu Lys Asp Gln		
690	695	700
Phe Ser Gly Gln Arg Trp Leu Trp Ile Gly Leu Asn Lys Arg Ser Pro		
705	710	715
Asp Leu Gln Gly Ser Trp Gln Trp Ser Asp Arg Thr Pro Val Ser Ala		
725	730	735
Val Met Met Glu Pro Glu Phe Gln Gln Asp Phe Asp Ile Arg Asp Cys		
740	745	750
Ala Ala Ile Lys Val Leu Asp Val Pro Trp Arg Arg Val Trp His Leu		
755	760	765
Tyr Glu Asp Lys Asp Tyr Ala Tyr Trp Lys Pro Phe Ala Cys Asp Ala		
770	775	780
Lys Leu Glu Trp Val Cys Gln Ile Pro Lys Gly Ser Thr Pro Gln Met		
785	790	795
Pro Asp Trp Tyr Asn Pro Glu Arg Thr Gly Ile His Gly Pro Pro Val		
805	810	815
Ile Ile Glu Gly Ser Glu Tyr Trp Phe Val Ala Asp Pro His Leu Asn		
820	825	830
Tyr Glu Glu Ala Val Leu Tyr Cys Ala Ser Asn His Ser Phe Leu Ala		
835	840	845
Thr Ile Thr Ser Phe Thr Gly Leu Lys Ala Ile Lys Asn Lys Leu Ala		
850	855	860
Asn Ile Ser Gly Glu Glu Gln Lys Trp Trp Val Lys Thr Ser Glu Asn		
865	870	875
		880



Pro Ile Asp Arg Tyr Phe Leu Gly Ser Arg Arg Arg Leu Trp His His  
885 890 895

Phe Pro Met Thr Phe Gly Asp Glu Cys Leu His Met Ser Ala Lys Thr  
900 905 910

Trp Leu Val Asp Leu Ser Lys Arg Ala Asp Cys Asn Ala Lys Leu Pro  
915 920 925

Phe Ile Cys Glu Arg Tyr Asn Val Ser Ser Leu Glu Lys Tyr Ser Pro  
930 935 940

Asp Pro Ala Ala Lys Val Gln Cys Thr Glu Lys Trp Ile Pro Phe Gln  
945 950 955 960

Asn Lys Cys Phe Leu Lys Val Asn Ser Gly Pro Val Thr Phe Ser Gln  
965 970 975

Ala Ser Gly Ile Cys His Ser Tyr Gly Gly Thr Leu Pro Ser Val Leu  
980 985 990

Ser Arg Gly Glu Gln Asp Phe Ile Ile Ser Leu Leu Pro Glu Met Glu  
995 1000 1005

Ala Ser Leu Trp Ile Gly Leu Arg Trp Thr Ala Tyr Glu Arg Ile  
1010 1015 1020

Asn Arg Trp Thr Asp Asn Arg Glu Leu Thr Tyr Ser Asn Phe His  
1025 1030 1035

Pro Leu Leu Val Gly Arg Arg Leu Ser Ile Pro Thr Asn Phe Phe  
1040 1045 1050

Asp Asp Glu Ser His Phe His Cys Ala Leu Ile Leu Asn Leu Lys  
1055 1060 1065

Lys Ser Pro Leu Thr Gly Thr Trp Asn Phe Thr Ser Cys Ser Glu  
1070 1075 1080

Arg His Ser Leu Ser Leu Cys Gln Lys Tyr Ser Glu Thr Glu Asp  
1085 1090 1095

Gly Gln	Pro Trp Glu Asn Thr	Ser Lys Thr Val Lys	Tyr Leu Asn
1100	1105	1110	
Asn Leu	Tyr Lys Ile Ile Ser	Lys Pro Leu Thr Trp	His Gly Ala
1115	1120	1125	
Leu Lys	Glu Cys Met Lys Glu	Lys Met Arg Leu Val	Ser Ile Thr
1130	1135	1140	
Asp Pro	Tyr Gln Gln Ala Phe	Leu Ala Val Gln Ala	Thr Leu Arg
1145	1150	1155	
Asn Ser	Ser Phe Trp Ile Gly	Leu Ser Ser Gln Asp	Asp Glu Leu
1160	1165	1170	
Asn Phe	Gly Trp Ser Asp Gly	Lys Arg Leu Gln Phe	Ser Asn Trp
1175	1180	1185	
Ala Gly	Ser Asn Glu Gln Leu	Asp Asp Cys Val Ile	Leu Asp Thr
1190	1195	1200	
Asp Gly	Phe Trp Lys Thr Ala	Asp Cys Asp Asp Asn	Gln Pro Gly
1205	1210	1215	
Ala Ile	Cys Tyr Tyr Pro Gly	Asn Glu Thr Glu Glu	Glu Val Arg
1220	1225	1230	
Ala Leu	Asp Thr Ala Lys Cys	Pro Ser Pro Val Gln	Ser Thr Pro
1235	1240	1245	
Trp Ile	Pro Phe Gln Asn Ser	Cys Tyr Asn Phe Met	Ile Thr Asn
1250	1255	1260	
Asn Arg	His Lys Thr Val Thr	Pro Glu Glu Val Gln	Ser Thr Cys
1265	1270	1275	
Glu Lys	Leu His Pro Lys Ala	His Ser Leu Ser Ile	Arg Asn Glu
1280	1285	1290	
Glu Glu	Asn Thr Phe Val Val	Glu Gln Leu Leu Tyr	Phe Asn Tyr
1295	1300	1305	

Ile Ala	Ser Trp Val Met Leu Gly Ile Thr Tyr Glu	Asn Asn Ser
1310	1315	1320
Leu Met	Trp Phe Asp Lys Thr Ala Leu Ser Tyr Thr	His Trp Arg
1325	1330	1335
Thr Gly	Arg Pro Thr Val Lys Asn Gly Lys Phe Leu	Ala Gly Leu
1340	1345	1350
Ser Thr	Asp Gly Phe Trp Asp Ile Gln Ser Phe Asn	Val Ile Glu
1355	1360	1365
Glu Thr	Leu His Phe Tyr Gln His Ser Ile Ser Ala	Cys Lys Ile
1370	1375	1380
Glu Met	Val Asp Tyr Glu Asp Lys His Asn Gly Thr	Leu Pro Gln
1385	1390	1395
Phe Ile	Pro Tyr Lys Asp Gly Val Tyr Ser Val Ile	Gln Lys Lys
1400	1405	1410
Val Thr	Trp Tyr Glu Ala Leu Asn Ala Cys Ser Gln	Ser Gly Gly
1415	1420	1425
Glu Leu	Ala Ser Val His Asn Pro Asn Gly Lys Leu	Phe Leu Glu
1430	1435	1440
Asp Ile	Val Asn Arg Asp Gly Phe Pro Leu Trp Val	Gly Leu Ser
1445	1450	1455
Ser His	Asp Gly Ser Glu Ser Ser Phe Glu Trp Ser	Asp Gly Arg
1460	1465	1470
Ala Phe	Asp Tyr Val Pro Trp Gln Ser Leu Gln Ser	Pro Gly Asp
1475	1480	1485
Cys Val	Val Leu Tyr Pro Lys Gly Ile Trp Arg Arg	Glu Lys Cys
1490	1495	1500
Leu Ser	Val Lys Asp Gly Ala Ile Cys Tyr Lys Pro	Thr Lys Asp
1505	1510	1515

Lys	Lys	Leu	Ile	Phe	His	Val	Lys	Ser	Ser	Lys	Cys	Pro	Val	Ala
1520						1525					1530			

Lys	Arg	Asp	Gly	Pro	Gln	Trp	Val	Gln	Tyr	Gly	Gly	His	Cys	Tyr
1535						1540					1545			

Ala	Ser	Asp	Gln	Val	Leu	His	Ser	Phe	Ser	Glu	Ala	Lys	Gln	Val
1550						1555					1560			

Cys	Gln	Glu	Leu	Asp	His	Ser	Ala	Thr	Val	Val	Thr	Ile	Ala	Asp
1565						1570					1575			

Glu	Asn	Glu	Asn	Lys	Phe	Val	Ser	Arg	Leu	Met	Arg	Glu	Asn	Tyr
1580						1585					1590			

Asn	Ile	Thr	Met	Arg	Val	Trp	Leu	Gly	Leu	Ser	Gln	His	Ser	Leu
1595						1600					1605			

Asp	Gln	Ser	Trp	Ser	Trp	Leu	Asp	Gly	Leu	Asp	Val	Thr	Phe	Val
1610						1615					1620			

Lys	Trp	Glu	Asn	Lys	Thr	Lys	Asp	Gly	Asp	Gly	Lys	Cys	Ser	Ile
1625						1630					1635			

Leu	Ile	Ala	Ser	Asn	Glu	Thr	Trp	Arg	Lys	Val	His	Cys	Ser	Arg
1640						1645					1650			

Gly	Tyr	Ala	Arg	Ala	Val	Cys	Lys	Ile	Pro	Leu	Ser	Pro	Asp	Tyr
1655						1660					1665			

Thr	Gly	Ile	Ala	Ile	Leu	Phe	Ala	Val	Leu	Cys	Leu	Leu	Gly	Leu
1670						1675					1680			

Ile	Ser	Leu	Ala	Ile	Trp	Phe	Leu	Leu	Gln	Arg	Ser	His	Ile	Arg
1685						1690					1695			

Trp	Thr	Gly	Phe	Ser	Ser	Val	Arg	Tyr	Glu	His	Gly	Thr	Asn	Glu
1700						1705					1710			

Asp	Glu	Val	Met	Leu	Pro	Ser	Phe	His	Asp					
1715						1720								

<211> 1462

<212> PRT

<213> Bos Taurus

<220>

<223> PLA2 receptor

<400> 4

Met Pro Leu Leu Ser Leu Ser Leu Leu Leu Leu Leu Gln Val Pro  
1 5 10 15

Ala Gly Ser Ala Glu Thr Ala Ala Trp Ala Val Thr Pro Glu Arg Leu  
20 25 30

Arg Glu Trp Gln Asp Lys Gly Ile Phe Ile Ile Gln Ser Glu Asn Leu  
35 40 45

Glu Lys Cys Ile Gln Ala Ser Lys Ser Thr Leu Thr Leu Glu Asn Cys  
50 55 60

Lys Pro Pro Asn Lys Tyr Met Leu Trp Lys Trp Val Ser Asn His Arg  
65 70 75 80

Leu Phe Asn Ile Gly Gly Ser Gly Cys Leu Gly Leu Asn Val Ser Ser  
85 90 95

Pro Glu Gln Pro Leu Ser Ile Tyr Glu Cys Asp Ser Thr His Val Ser  
100 105 110

Leu Lys Trp His Cys Asn Lys Lys Thr Ile Thr Gly Pro Leu Gln Tyr  
115 120 125

Leu Val Gln Val Lys Gln Asp Asn Thr Leu Val Ala Ser Arg Lys Tyr  
130 135 140

Leu His Lys Trp Val Ser Tyr Met Ser Gly Gly Gly Gly Ile Cys Asp  
145 150 155 160

Tyr Leu His Lys Asp Leu Tyr Thr Ile Lys Gly Asn Ala His Gly Thr  
165 170 175

Pro Cys Met Phe Pro Phe Gln Tyr Asn Gln Gln Trp His His Glu Cys  
180